

### **ABSTRACT OF THE DISCLOSURE**

A receiving apparatus of a high speed digital data communication system includes: a mobile station modem (MSM) for judging a modulation method according to a data rate of a received signal and a position of a data pointer; a controller for controlling a control signal with respect to a position change of the data pointer on the basis of the information collected by the MSM; and a demodulator for determining a position of the data pointer according to the control signal outputted from the controller and demodulating a signal. By varying a position interval of data pointers according to a data rate, an error probability due to a noise can be reduced and a speech quality can be improved.